

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Craig A. Hickman and  
Paul D. Shirley

FILED: Concurrently Herewith

FOR: **PHOTOLITHOGRAPHIC STEPPER  
AND/OR SCANNER MACHINES  
INCLUDING CLEANING DEVICES  
AND METHODS OF CLEANING  
PHOTOLITHOGRAPHIC STEPPER  
AND/OR SCANNER MACHINES**

**Power of Attorney by Assignee and  
Certification Under 37 CFR §3.73(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of an Assignment filed concurrently herewith, appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR § 3.71.

All prior powers of attorney for this application are hereby revoked. The Assignee hereby appoints STEPHEN E. ARNETT, Registration No. 47,392; RODGER K. CARREYN, Registration No. 50,774; BRIAN R. COLEMAN, Registration No. 39,145; CHRISTOPHER DALEY-WATSON, Registration No. 34,807; PETER J. DEHLINGER, Registration No. 28,006; DAVID BOGART DORT, Registration No. 50,213; DAVID T. DUTCHER, Registration No. 51,638; LEEANN GORTHEY, Registration No. 37,337; JOSEPH HAMILTON, Registration No. 51,770; PAUL L. HICKMAN, Registration No. 28,516; EDWARD S. HOTCHKISS, Registration

No. 33,904; STEVEN KELLEY, Registration No. 43,449; JONATHAN P. KUDLA, Registration No. 47,724; STEVEN D. LAWRENZ, Registration No. 37,376; JACQUELINE F. MAHONEY, Registration No. 48,390; SHAILESH MEHRA, Registration No. 44,934; JUDY M. MOHR, Registration No. 38,563; CHUN M. NG, Registration No. 36,878; NGUYEN H. NGUYEN, Registration No. 43,834; REBEKKA C. NOLL, Registration No. 46,962; KENNETH H. OHRINER, Registration No. 31,646; PAUL T. PARKER, Registration No. 38,264; MAURICE J. PIRIO, Registration No. 33,273; TIM R. SEELEY, Registration No. 53,575; LAUREN SLIGER, Registration No. 51,086; LARRY W. THROWER, Registration No. 47,994; GLENN E. VON TERSCH, Registration No. 41,364; JOHN M. WECHKIN, Registration No. 42,216; JAMES A.D. WHITE, Registration No. 43,985; MICHAEL J. WISE, Registration No. 34,047; ROBERT G. WOOLSTON, Registration No. 37,263; and JAMES J. ZHU, Registration No. 52,396; all affiliated with Perkins Coie LLP, along with MICHAEL L. LYNCH, Registration No. 30,871; CHARLES B. BRANTLEY, II, Registration No. 38,086; KEVIN D. MARTIN, Registration No. 37,882; and DAVID J. PAUL, Registration No. 34,692, of Micron Technology, Inc., 8000 South Federal Way, Boise, Idaho 83706-9632 as the principal attorneys with full power of substitution, association, and revocation to prosecute said application, to transact all business in the Patent and Trademark Office connected therewith, and to receive the letters patent therefor. Please direct all telephone calls to Mr. David T. Dutcher at (206) 264-6465 and telecopies to (206) 332-7198. Address all correspondence to:


Patent-SEA  
Perkins Coie LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
Customer No. 25096

In accordance with 37 CFR §3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both,

under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

ASSIGNEE: MICRON TECHNOLOGY, INC.

Signature: 

Typed Name: Michael L. Lynch

Title: Chief Patent Counsel

Date: Apr 8, 2007

Address: 8000 South Federal Way

P.O. Box 6

Boise, Idaho 83706-9632

## ASSIGNMENT

THIS ASSIGNMENT is by Craig A. Hickman and Paul D. Shirley (the "Assignors"), residing at 82 West Chrisfield Drive, Meridian, Idaho 83642 and 1922 S. Weimaraner Way, Meridian, Idaho 83642, respectively. We Assignors have invented one or more certain inventions described in a United States Patent Application entitled "PHOTOLITHOGRAPHIC STEPPER AND/OR SCANNER MACHINES INCLUDING CLEANING DEVICES AND METHODS OF CLEANING PHOTOLITHOGRAPHIC STEPPER AND/OR SCANNER MACHINES" (the "Application") and ☒ executed concurrently herewith; or ☐ filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ (the "Invention(s)"). We Assignors authorize the Assignee, identified below, or its representatives to insert the filing date and application number of the Application when known.

Micron Technology, Inc., a corporation of the State of Delaware having a place of business at 8000 South Federal Way, P.O. Box 6, Boise, Idaho 83706-9632 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue

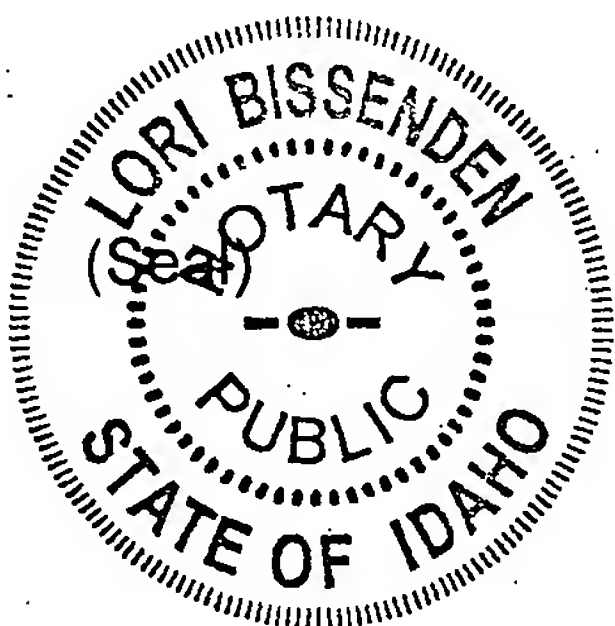
any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 7/22/03

Craig A. Hickman  
Craig A. Hickman

STATE OF IdahoCOUNTY OF Ada

On July 22, 03 before me, Lori Bissenden, personally appeared Craig A. Hickman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

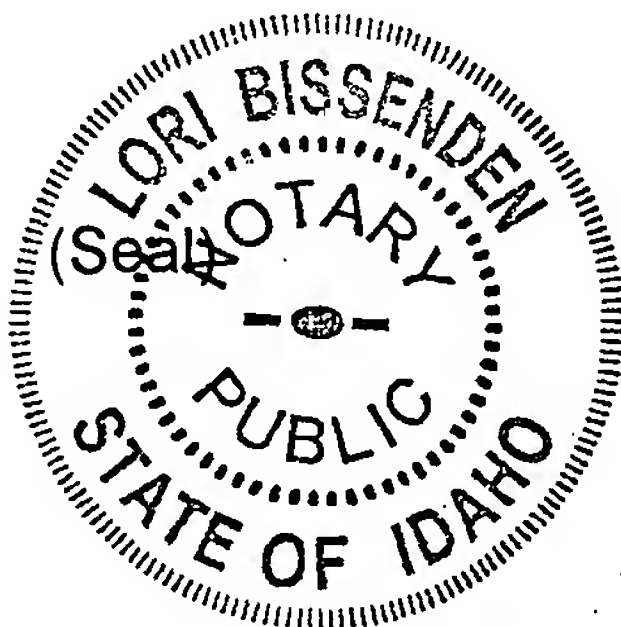
Lori Bissenden  
Signature

Date: 7-23-03

\*\*\*\*\*  
Paul D. Shirley  
Paul D. Shirley

STATE OF IdahoCOUNTY OF Ada

On July 23, 03 before me, Lori Bissenden, personally appeared Paul D. Shirley, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Lori Bissenden  
Signature

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